

CHRISTOPHER MCLOUGHLIN

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EDUCATION

Purdue University, College of Science

Bachelor of Science, Computer Science with Minor in Communications

West Lafayette, IN

Anticipated May 2028

RELEVANT COURSEWORK

Programming in C, Intro to Object Oriented Programming in Java, Data Analytics in Python, Calculus 1-3, Linear Algebra, Computer Architecture, Foundations of Computer Science, Data Structures and Algorithm

TECHNICAL SKILLS

Java, C, Python, Selenium, React, Pandas, gTTS, R, SQL, HTML PRAW, Legacy API, moviepy

INTERESTS & HOBBIES

Automation, web scraping, APIs, data visualization, machine learning, community work, volleyball, computer hardware

PROFESSIONAL EXPERIENCE

Purdue Corporate Partners & Feenix Group

Undergraduate Data Science Researcher

West Lafayette, Indiana

August 2025 – Present

- Collaborated with Feenix Group partners and a team of 8 developers to design and deploy a real-time analytics dashboard tracking engagement and monetization metrics across Roblox games.
- Developed a frontend interface using React, implementing interactive markups and modular components for internal stakeholders to visualize live and historical trends.
- Engineered a relational database and scheduling system to automate periodic data collection from public APIs, enabling continuous time-series tracking without manual intervention.
- Implemented a timestamp-based retrieval function to extract current snapshot data for on-demand analytics and comparisons.
- Utilized SQL and R for data aggregation and visualization, uncovering player retention and performance patterns that informed product strategy.
- Improved scraping efficiency via data requests and optimized query scheduling.
- Contributed to technical documentation, testing, and data validation processes to ensure consistent and accurate dashboard performance.

TECHNICAL PROJECTS

Online Story to Multimedia Generator

September 2025

- Automated online story extraction, TTS conversion, and video compilation using scalable scripts.
- Implemented pipeline to batch-generate multimedia content
- Optimized posting strategies based on researched algorithms, taking full product accountability.

INVOLVEMENT & LEADERSHIP

- Secretary, Purdue CS Undergraduate Student Board — Led mentorship and tutoring initiatives; coordinated technical workshops and communication for 100+ members.
- Site Supervisor, Washington Township Parks — Managed 42 counselors and 250+ campers, ensuring safety and smooth operations.